

MAGNET TYPE STEPPING MOTOR

~~STEPPING MOTOR AND DRIVING METHOD THEREOF~~

Abstract of the Disclosure

A magnet type stepping motor which has (1) a stator with three-phase stator windings, and $6m$ pieces of stator main pole arranged side by side, where m is an integer and ≥ 1 , the stator windings of one phase are wound around every two stator main poles among the $6m$ pieces of the stator main pole, wherein when the stator windings of one phase are excited with a direct current, m pieces of N pole and M pieces of S pole are formed alternately on the $6m$ pieces of stator main pole, and (2) a rotor of a cylindrical permanent magnet magnetized in the circumferential direction to form $Z/2$ pieces of N pole and $Z/2$ pieces of S pole alternately, where Z is the number of rotor poles.

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